

FEATURES AND SPECIFICATIONS

Features and Benefits

- Sizes 2 to 24 circuits
- Molded in high temperature, surface mount compatible material
- Fully isolated terminals to protect contacts from damage

Reference Information

Product Specification: PS-87427-0001
 Packaging: Bag
 UL File No.: E29179
 CSA File No.: LR19980
 Mates With: [5557](#) dual row receptacle
 Designed in: Millimeters

Electrical

Voltage: 600V
 Current: (Used with 16 AWG)

| Circuits | 2-3 | 4-6 | 7-10 | 12-24 |
|-------------|-----|-----|------|-------|
| Amperes-Jr. | 9 | 8 | 7 | 6 |
| Amperes-HCS | 12 | 11 | 10 | 9 |

Contact Resistance: 10mΩ max.
 Dielectric Withstanding Voltage: 1500V
 Insulation Resistance: 1000 MΩ min.

Mechanical

Pin Retention Force: 9.81N (2.2 lb) min.
 Mating Force: 14.23N (3.19 lb) max.
 Unmating Force: 0.50N (0.11 lb) max.
 Durability: 30 cycles

Physical

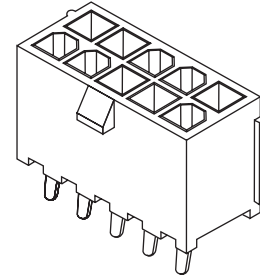
Housing: 4/6 Nylon, UL 94V-0
 Contact: Brass (1.07 square)
 Plating: Tin
 Operating Temperature: -40 to +105°C



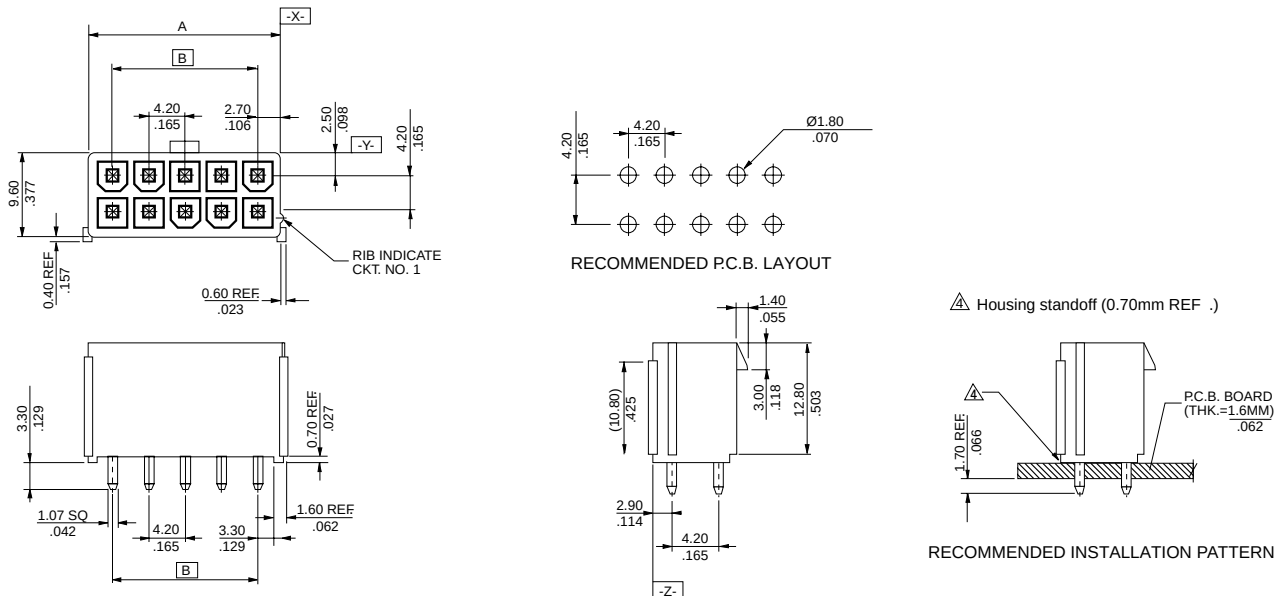
4.20mm (.165") Pitch Mini-Fit, Jr.™ Wire-to-Board Header

87427

Vertical without Flanges High Temperature Material



CATALOG DRAWING (FOR REFERENCE ONLY)



ORDERING INFORMATION AND DIMENSIONS

| Circuits | Order No. | | Dimension | |
|----------|-------------------------|-------------------------|---------------|---------------|
| | Tin Over Nickel Plating | Tin Over Copper Plating | A | B |
| 2 | 87427-0242 | 87427-0243 | 5.40 (.212) | |
| 4 | 87427-0442 | 87427-0443 | 9.60 (.377) | 4.20 (.165) |
| 6 | 87427-0642 | 87427-0643 | 13.80 (.543) | 8.40 (.330) |
| 8 | 87427-0842 | 87427-0843 | 18.00 (.708) | 12.60 (.496) |
| 10 | 87427-1042 | 87427-1043 | 22.20 (.874) | 16.80 (.667) |
| 12 | 87427-1242 | 87427-1243 | 26.40 (1.030) | 21.00 (.826) |
| 14 | 87427-1442 | 87427-1443 | 30.60 (1.204) | 25.20 (.992) |
| 16 | 87427-1642 | 87427-1643 | 34.80 (1.370) | 29.40 (1.152) |
| 18 | 87427-1842 | 87427-1843 | 39.00 (1.535) | 33.60 (1.320) |
| 20 | 87427-2042 | 87427-2043 | 43.20 (1.700) | 37.80 (1.480) |
| 22 | 87427-2242 | 87427-2243 | 47.40 (1.866) | 42.00 (1.653) |
| 24 | 87427-2442 | 87427-2443 | 51.60 (2.031) | 46.20 (1.818) |